

Message Text

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ORIGIN ERDA-07

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C O N F I D E N T I A L STATE 075764

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, UR, JA

SUBJECT: JAPANESE SALE OF CNC EQUIPMENT TO USSR--IL 1091

REF: OECD PARIS 4022

1. WE HAVE NOW REVIEWED INFORMATION PROVIDED BY JAPANESE IN REFTEL AND HAVE CONCLUDED THAT SUBJECT TRANSACTION APPEARS FALL WITHIN EMBARGO COVERAGE OF IL 1091 THE TWO SYSTEMS DESCRIBED, I.E., SYSTEM (A) WITH A HOST COMPUTER AND ASSOCIATED PERIPHERALS AND 56 CNC-OPERATED MACHINE TOOLS AND SYSTEM (B) WITH A HOST COMPUTER AND ASSOCIATED PERIPHERALS AND 45 CNC-OPERATED TOOLS, APPARENTLY DESCRIBE TWO DIRECT NUMERICAL CONTROL SYSTEMS CONTRARY TO THE STATEMENT IN THE REFTEL THAT "SYSTEMS WILL NOT DIRECTLY CONTROL NC" AND WILL "NOT INCLUDE INTERFACE CONNECTING CPU WITH NC."

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ACCORDING TO OUR TECHNICIANS THE ONLY WAY THAT THE HOST COMPUTERS FOR BOTH SYSTEMS CAN BE USED WOULD BE TO TRANSMIT COMMANDS OR INFORMATION TO THE 101 NC UNITS INCORPORATED IN THE MACHINE TOOLS. WE FURTHER QUESTION THE JAPANESE STATEMENT IN PARA 3 OF REFTEL THAT NC UNITS INCORPORATED IN MACHINE TOOLS ARE HARDWIRED PURSUANT TO THE DEFINITIONS SET FORTH IN SOU TO IL 1091. MICROPROCESSOR-BASED NC'S ARE

CLEARLY SOFTWIRED UNITS BY DEFINITION IN THE SOU AND ARE
SUBJECT TO IL 1091 EMBARGO CONTROL.

2. SINCE WE ARE CONCERNED ABOUT JAPANESE VIEWS ON THE
EMBARGO STATUS OF EQUIPMENT COVERED BY THIS TRANSACTION,
U.S. DEL SHOULD ATTEMPT TO DEVELOP ADDITIONAL INFORMATION
ABOUT THIS UNDERTAKING FROM THE JAPANESE AS FOLLOWS:

(A) WHAT ARE THE DETAILED SPECIFICATIONS OF (1) MACHINE
TOOLS, AND (2) NC UNITS, AS SET FORTH IN THE IL 1091
DEFINITION, INVOLVED IN THIS TRANSACTION?

(B) WHAT ARE THE SPECIFIC FUNCTIONS OF THE TWO MINICOMPU-
TERS, AND WHAT ARE THEIR RELATIONSHIP TO THE NC UNITS
DRIVING THE MACHINE TOOLS?

(C) ARE THE TWO MINICOMPUTERS (CPU'S) TRANSMITTING MACHINE
COMMANDS, I.E., PUNCHED TAPE DATA, TO THE ROM'S/MICROPRO-
CESSORS CONTAINED IN THE NC UNITS?

(D) WHAT IS THE FUNCTION OR PURPOSE OF THE X-Y PLOTTER?
IS IT VERIFYING PUNCHED TAPE DATA? IF SO, HOW IS THE
PUNCHED TAPE DATA BEING CONVEYED TO THE X-Y PLOTTER?

(E) CAN THE MACHINE TOOLS BE OPERATED DIRECTLY OR
INDIVIDUALLY BY PAPER TAPE?

(F) PROVIDE MODEL NUMBERS, MAKE, AND DATA SHEETS ON
EQUIPMENT INVOLVED IN TRANSACTION.
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(G) WHAT SOFTWARE AND SOFTWARE SUPPORT IS BEING SUPPLIED
BY THE JAPANESE TO THE USSR?

(H) WHAT DO THE JAPANESE CONSIDER A "SOFTWIRED" NC UNIT
UNDER THE PRESENT IL 1091 DEFINITION; I.E., HOW WOULD THEY
DEFINE?

3. USG WOULD ALSO BE INTERESTED IN KNOWING IF OTHER DELE-
GATIONS, SUCH AS UK, FRG, AND DUTCH, ARE AWARE OF DETAILS
OF JAPANESE TRANSACTION AND THEIR VIEWS.

4. U.S. DEL'S EARLIEST RESPONSE WOULD BE APPRECIATED.

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